

1 ABSTRACT OF THE INVENTION

2 An improved diagnostic device for inspecting the pneumatic braking
3 systems and electrical signaling systems on a cargo hauling trailer comprises a
4 unique circuit arrangement permitting a single inspector to inspect the pneumatic
5 braking systems and when required, override diagnostic cycling of the brakes
6 between applied and released states to an alternate diagnostic wherein the system
7 is continuously supplied with air to permit leak detection. A solenoid, normally
8 cycling air to the pneumatic braking systems under the control of a programmable
9 timer, can be overridden and powered to supply continuous air, regardless of the
10 state of the timer, by actuating a brake light circuit which is connected to the
11 solenoid through a pressure actuated switch.